

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application:

What is claimed is:

1 (allowed). A semi permanent iron sight adapted for attachment to, and detachment from a weapon, by providing a clearance for one or more devices to be secured to the weapon, comprising:

a base formed of two vertical rails and an interconnecting member that allows the base to flex for securing the iron sight on the weapon;
a sight aperture assembly formed of a sight aperture, a sight aperture frame, a sight aperture spring, and a sight aperture pivot pin;
an elevation cam assembly formed of an elevation cam, a retaining clip, an elevation cam spring and keeper, and a detent spring and a ball detent; and
a windage mechanism,
wherein the base provides a mounting interface for the sight aperture assembly, elevation cam assembly, and windage mechanism.

2(allowed). The iron sight of claim 1, further comprising an elevation adjustment mechanism with an elevation scale.

3(allowed). The iron sight of claim 2, wherein the elevation adjustment mechanism includes a cam mechanism that has a limited range of rotation to preclude inadvertent over rotation.

4(allowed). The iron sight of claim 1, wherein the elevation cam assembly includes a knob.

5(allowed). The iron sight of claim1, wherein the base includes a curved flange with range markings.

6(allowed). The iron sight of claim 5, wherein the base further includes stop surfaces that limit an allowable rotation of the elevation cam assembly.

7(allowed). The iron sight of claim 6, wherein the base further includes a recoil screw that is assembled through two holes in two opposed mounting interfaces, to firmly attach the iron sight to the weapon.

8(allowed). The iron sight of claim 1, wherein the windage mechanism comprises a windage knob.

9(allowed – amended). The iron sight of claim 1, wherein the sight aperture spring is a torsion spring held in assembly by a the sight aperture pivot pin.

10(allowed). The iron sight of claim 9, wherein the sight aperture functions between the sight aperture and the sight aperture frame to hold the sight aperture upright.

11(allowed). The iron sight of claim 8, wherein the windage mechanism further comprises a windage screw, a windage detent ball and spring assembly, and a windage knob retaining pin.

12(allowed). The iron sight of claim 11, wherein the windage screw is assembled through mounting holes in the base.

13(allowed). The iron sight of claim 12, wherein the windage detent ball and spring assembly is secured to the windage knob, to index rotation of the windage knob.